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2011 RADIO BUYERS GUIDE (16 Page Special in the November MT)

- Buying Radios for Amateur Satellites By Keith Baker, KB1SF/A3KSF
- MT's Antenna Roundup By Bob Grove, W8JHD
- MT's Guide to Buying a Scanner By Larry Van Horn, N5FPW
- MT's Guide to Buying a Transceiver By Kirk A. Kleinschmidt, NT0Z
- Personal Radios: CB, FRS/GMRS By Ken Reitz, KS4ZR
- What to Look for in Portable Shortwave Receivers By Ken Reitz, KS4ZR

REGULAR COLUMNS

BROADCAST BANDSCAN

(Doug Smith) (Even months)

- FEB Twenty Years of DX; IBOC Power Increase; Trans-Pacific from the "Wrong" Coast; Analog TV: Dead.Finally; Canadian Notes; Letters; AM Bandscan Report.
- APR Going, going, gone . . . (CBC AM stations leave the air); New AM Stations; New TV Stations; IBOC / HD Power Increase.
- JUN Going, going, gone . . . (Part 2); TV Odds & Ends; FM & TV skip season; Letters from Listeners.
- AUG With Lots of Watts; Gone or Maybe Not; Interesting Antenna; The Nashville Flood; Letters from Listeners; You'll never know what you'll find at a Hamfest; AM Bandscan Station Report.
- OCT What is the Future for AM? Disappearing Stations and a Publication.
- DEC On the Tube: New Jersey & Delaware; Analog Drop-Dead Date; Unique AM Station to Close; "Un-disappearing" Station; Letters; Strange ID; New DX Publications; Bandscan Station Report.

ANTENNA TOPICS

- JAN You're Using What for an Antenna?: The Tuner's the trick; Hiding the Evidence; Antennas in the Gutter; Go Ahead and Try It!; Grounding Option. (Dan Farber)
- FEB Stealth Antennas: Now You See IT, Now You Don't. (Dan Farber)
- MAR Build this UHF Omni Satcom Antenna (Part 1). (Mike Frye)
- APR The Humble Dipole. (Dan Farber)
- MAY How's It Hangin? Erecting Wire Antennas. (Dan Farber)
- JUN Build this UHF Omni Satcom Antenna: Conclusion. (Mike Frye)
- JUL Down to Earth Understanding Grounding Concepts; AC/D/RF Ground. (Dan Farber)
- AUG The Balcony Bent Dipole – Compact, Stealth, Amazing Performance. (Dan Farber)
- SEP Antenna Designs for VHF, UHF and Microwave (W. Clem Small)
- OCT Fun with Loops – Low-Frequency Listening Made Easy (Dan Farber)
- NOV Stepping Up in the World: Ladder Line (Dan Farber)
- DEC Military vs Consumer Vehicle Antenna Performance – Comparison Test.

ASK BOB (Bob Grove)

- JAN Free-to-Air on a WinRadio; New digital TV sets vulnerable to TVI; Emails delayed; Uniden/GRE scanner sensitivity on railroad freqs; Operating two scanners from one Grove scanner beam;

- Voltage regulators to protect computer equipment; Required SATCOM equipment on ocean going ships.
- FEB Small dish satellite signals interrupted by bad weather; Is 12 volts enough to cause pain?; Roll up loose cables to act as electrical interference chokes; Antenna U-clamps larger than 2-1/8 inches; Orientation of VHF boat antenna; Feds monitoring cell phones; Grounding a portable shortwave portable.
- MAR How did sunspots effect 1939-1945 comms; How should CDs and DVDs be stored; Computing antenna length and feed line impedance; Are foreign imported scanners now legal in the US?; Can I combine two Grove FlexTennas?; The ban on incandescent lamps in 2012.
- APR GSM in the U.S.; Why is there a highly-conductive, metal shield on a cell phone board?; Front-end overload on a YB-550 and a 30-ft wire antenna; Who makes GMRS SSB radios?; What causes signal variations on my shortwave portable as I walk?; Can I use a wooden ceiling beam for a HF antennas?
- MAY Electrical noise on a shortwave portable; Why no HF ham walkie-talkies; Uniden BCT-8 a good scanner and can I use a wire for an antenna; What is geothermal energy; Does the law of diminishing returns apply to antennas; Antenna recommendations for a wide frequency coverage receiver.
- JUN No new channels added with digital TV; Signals get louder when I touch the case; Buying WiFi for public safety and broadcast monitoring; Hose current raises worms; How to hear a distant FM next to a local; What are these numbers I hear on shortwave?
- JUL Fractal Antenna Designs for radio hobbyists; Random Longwire Directionality; Antenna on the roof truss; Harmonics 101; Advantages of a passive multicoupler; Hearing birdies, harmonics and IF's; What is the difference between magnetic and geo-magnetic poles?
- AUG July Column Correction; Test Prod in the AC Socket; Can a Spark Occur in a Complete Vacuum?; Radio Shack DX-398 badly Distorted Audio; Two Radio to One Antenna: switch or splitter. Digital TV Picture Pixelates During Storms.
- SEP Combining Scantenna and cellular yagi antenna; Frequency bands are UKW, KW, LW, MW; Wireless electricity; Improving AM DXing; FM Frequency Notch

- Filter; 20-meters vs 40-meters reception distance.
- OCT AM broadcast harmonics; Identifying interference on a scanner; CO2 alarm triggered by ham radio signals; Switching power supply interference; Litz wire; A nanofarad is a what?
- NOV Armed Forces Radio on SW; Horizontal Antenna Ground Gain; Rapid signal flutter on HF; Siren and Piccolo on Shortwave; P-25 and the Cops; Cops Above the Broadcast Band; Cell Fones and Metal Roofs; Fluorescent Light Interference; The Shaking Flashlight.
- DEC Shortwave radio audio on a laptop; VOA on Shortwave; D-Star comms called skip; VLF antenna to comm with subs; Antenna spacing to reduce interaction; Wire antenna coax placement; "Superheterodyne" receiver characteristics.

BEGINNER'S CORNER

"Getting Started" (Ken Reitz)

- JAN Shortwave Listening and Art: Audio Music History; The Artistic Ear of Myke Weiskopf; DIY Transmission ART.
- FEB Pansat 9200HD: Keeping Up with FTA Satellite Changes (Satellite Monitoring)
- MAR International TV and Radio Reception via MPEGII FTA Satellite Receiver (Satellite Monitoring)
- APR Your Antenna is Up: Now What?
- MAY OTA DTV Update and Finding Entertainment on Shortwave.
- JUN Beginner's Guide to Field Day.
- JUL A Beginner's Look at Shortwave and Ham Antennas.
- AUG Electronic Bargains and Pirate Radio Mania: IBM Computers Cheap; C. Crane's Big Savings; All Electronics Throwback Savings; 2010 Pirate Radio Annual.
- SEP Field Day 2010 Report and Hooked on HF Pirates.
- OCT Buying Your First Shortwave Radio: What Not to Buy; OK, What Do I Buy.
- NOV HF On-Air Protocol: What's the Frequency? Net Operation; Setting Up a Schedule; Working HF Repeaters.
- DEC Beginner HF Protocol Part II: Chasing DX: Just what is DX; Habits of DX; How to work DX; What's the Frequency?

BELOW 500 kHz (Kevin Carey)

- JAN Why Longwave?; Mailbag – 1000th Beacon Logged; End Notes.
- FEB Tuning in to Natural Radio: What Can Your Hear; Receiving Equipment; Books and Publications for Natural Radio; Mailbag.

MAR Detecting Sudden Ionospheric Disturbances; Winter SWL Fest; Loggings; What the Others are Saying; New Book: Radio Nature; SAQ (17.2 kHz) Broadcast; Loran-C Final QRT.

APR Favorite Bookmarks; Not Online?; Longwave Websites; Loggings; The Future of Beacons.

MAY Mailbag and Loggings Galore!; Active Antennas; Opening the Mailbag – Mystery Beacon; St. Lawrence Ice Breakers; 500 kHz Puzzler; Intercepts.

JUN Broadband Loops: Let's Build One!; Loggings; Mailbag.

JUL Broadband Loop (Part 2); Loggings.

AUG Broadband Loop (Part 3) ; Loggings.

SEP Broadband Loop (Part 4) ; From the Mailbag; Loggings.

OCT Longwave Timeline; Mailbag; Loggings.

NOV Loop Success, Web Tips, Mailbag; VLF Radio CD.

DEC Loggings Galore! First 2200 meter JA-VE QSO. New Signals Heard: HA-DGPS; Loggings; Mailbag.

BOATS, PLANES, and TRAINS

JAN BOATS: Retired, Relaxed, Reorganized and Reeducated; Tools of the Trade; Digital Signals; Listening on HF; CW Activity; VHF; Catch you on the Net or 'Net. (Ron Walsh)

FEB PLANES: What's up in Northwest Colorado?: Wide-Area Multilateration (WAM); FlightAware. (Iden Rogers)

MAR TRAINS: In the Dispatcher's Seat with ATCS Monitor. (Ernest Robl)

APR BOATS: "The Times They Are a-Changin'!" (Things that have gone away in radio); Amateur Radio Traffic Haiti; KSM; Seasonal Change; Frequency Allocation Changes; Radio Facsimile (FAX) Broadcasts; Radiotelephone; Personal Happenings. (Ron Walsh)

MAY PLANES: What is Ground Control?; ATIS; ASDE-X; Closing Thoughts. (Iden Rogers)

JUN TRAINS: Railroads Reliant on a Variety of Radio Uses. (Ernest Robl)

JUL BOATS: Summer Boating by Radio; HF Listening; Amateur Radio Monitoring; On the Down Side (Loran, Bill Wilson VE3NR (RIP)). (Ron Walsh)

AUG PLANES: Arrivals and Approaches (Iden Rogers)

SEP TRAINS: Notes from a Slow Summer Month; Small Changes, Big Difference; Automated Messages; Multiple Tracks; "Hot Rails"; "High-Speed" Rail? (Ernest Robl)

OCT BOATS: Southern Cross DX; Loran-C; Fall/Winter VHF Listening; Canadian Empress; KSM in Danger.

NOV PLANES: Aeronautical Shortwave: Ionospheric Propagation; Receivers; The HF Aero Bands; MWARA: Areas, Freqs, Communications; Chart Info; ARINC; LDOC; SELCAL; VOLMET/Aviation Weather.

DEC TRAINS: What a difference a year makes! Regulatory Issues; Speaking of the AAR; Elections; Back to Basics.

COMMUNICATIONS (Ken Reitz)

JAN **Amateur Radio/Shortwave:** CA Hams Aid in Rescue; WWCR Programs Linked to Investigations.
AM/FM/TV Broadcasting: FCC Extends LPFM Deadline; Death of Over-the-Air TV?; White Space Network Test in VA.
Satellite: Space Debris to Increase Mission Cost.
Public Service: Rescuers Wary of "Yuppie Rescues;" Guard with Scanner Captures Crooks; Scanner Listeners Aid Police; Carjacker Stopped by OnStar.
FCC Enforcement: Parade of Manufacturer Missteps; FCC Scuttles Pirate Cat Radio; Florida Pirate Fine Reduced; Texas FM Pirate: Not Ruled by FCC.

FEB **Amateur Radio/Shortwave:** Utah Hams Aids Crash Victim; Chinese Hamsat Launched; Former Radio Host Charged.
AM/FM/TV Broadcasting: Say Good-Bye to OTA-TV; HD-Radio Drifting; LPFM Gets Congressional Boost; TV Commercials to Calm Down.
Satellite: Iraqi Insurgents Tap Into Drone Videos; EPIRB Saves Man from Crocs.
Public Service: York County Radio Dysfunctional; DHS: No More 10-Codes; Navy to Use SDR; DARPA's Twitter Success
FCC Actions: FCC Needs More Engineers; National Broadband Plan; FCC Narrowing Freqs; Resort Fined for Bootleg FRS Ops.

MAR **Amateur Radio/Shortwave:** Radio Response to the Haitian Quake; Radio Prague Bemoans End of SW; Radio Evangelist Sentenced to 175 Years.
Pirate Radio: Pirate Radio Update; 3,000 Spanish Pirate Stations Targeted; IC & RCMP Pull Plug on Teenage Pirate (Literally!); Taiwanese Government vs FM Pirates; FCC Cites Rare AM Pirate; Three Bronx FM Pirates Nabbed.

AM/FM/TV Broadcasting: FCC Stalled on OTA Giveaway; LG Introduces Mobile DTV Receiver.
Public Service: FL Scanner Listeners Being Shut Out; FCC: No More 700 MHz Wireless Mics; Cell Phone Dummies on Parade.

APR **Amateur Radio/Shortwave:** BBG May Ax Greenville VOA Site; Radio New Zealand Budget Threats; Haiti Update; Party Like It's 1978.
Pirate Radio: FCC Scuttles FM Pirates; Olympics Pirate Closed in Record Time; Former FM Pirates Go Legal.
Public Service: IL Bill Seeks to Curb Scanner Retrans; Scanner Listener Saves Life.
AM/FM/TV Broadcasting: FCC OKs Power Up for FM-HD; iBiquity reduces Fees.
Satellite: Russian Spy Satellite Crashes in Mexico.
FCC Activity: FCC Outlines Ambitious Internet Plans; FCC Experimental Licenses; WiFi Power Amp Cited in Interference Case; College Station Fined in "Hostile Visitor" Case.

MAY **Amateur Radio/Shortwave:** Ham Satellite in Near Miss; ARRL Spring/Summer Sked Change; BBC Budget Cuts Spares World Service; Military Buys Shortwave Tactical Sets.
AM/FM/TV Broadcasting: Sangean Pocket Portable HD in AM; WJFK-FM: Sports Fan's Dream Station.
Satellites Weather/TV/Radio: NASA Launches NOAA's GOES-P; Liberty Media Backs out of WorldSpace Deal; Satellite Tracks Great White Sharks, Strange Saga of DISH, Texas.
Public Service: Two EPIRB Tales; Restrictive Illinois Bill Reworded.
FCC Activity: FCC's "2010 Broadband Vision;" FCC Broadcast Station Totals.
Cell Fone Follies: Smile, You're on Candid Cell Camera!; Bungling Car Thief Turns Self In; Car Thief Tracked by Victim.

JUN **Amateur Radio/Shortwave:** Icom: So Long IC-706MKIIG; Big Sale on vanity Call Signs; Hi-Tech Blimps to U.S. Military.
AM/FM/TV Broadcasting: NAB Hits Back at FCC; LPFM Bill Might Include Ex-Pirates; 800,000 U.S. Households "Cut the Cord;" Online Listening Slumps.
Public Service: Cleveland Radio System Disarray; D.C. Radio System Flunks Emergency.
Satellite: Big Bonanza for Sirius/XM Top Brass; DISH Beats Panarex in Piracy Suit; TiVo Pounds DISH in Patent Suit.

FCC Action: FCC Internet Leash Yanked; FCC Northeast FM Pirate Sweep; CB Op Cited for Advertising on Ch. 19.

JUL **Amateur Radio/Shortwave:** Senate Report: Cuba Media Campaign a Flop; DRM in the News; ARRL Debuts New-Look Web Site.

AM/FM/TV Broadcasting: TN Floods Hit Nashville Broadcasting; Pirate Cat Radio Gets Adopted.

Public Service: Texas City Shuts Out Scanners; EPIRB Saves Racing Yacht; Railroads to go to Narrowband.

Satellite: USAF's X-37B Mystery Spacecraft; Solar Eruption and Cable Satellite Mystery.

FCC Enforcement: Miami Station Fined for Privacy Violation; FCC Nails UK-based Phonejammer.com.

Cell Fone Follies: Forgetful in Florida; Idiots in Illinois; Ignorant in Iowa; Police and Criminal Bungling; Stupid in Seattle.

AUG **Amateur Radio/Shortwave:** ZL Op Caught With Way to Much Power; ZS OP: Threat to US Security; 10 Year Old Boy Works Satellite, Amazes friends; BBC Notes Shift of Listener Habits.

AM/FM/TV Broadcasting: FCC Warrantless Searches on Part 15 Devices Questioned; HD-Radio to Add Traffic Info.

Internet Broadcasting: AT&T Looks to Limits.

Public Service: Scanner Apps vs Criminals.

Satellite: FCC Gift: 25 MHz from SDARS to Mobile TV; Philly Councilman Tired of Looking at Dishes.

FCC Enforcement: Crack-down on FM Pirates; Another Former Pirate Goes Legit.

Cell Fone Follies: Quick-Thinking Teen Aids Capture; Ringing Stolen Phone; Imbecile Bank Robber Caught.

SEP **Amateur Radio/Shortwave:** Spies Like Us; Radio Marti's Big Makeover; Vatican Radio Xmitters Linked to Cancers (Again); BBC Announces New Board.

AM/FM/TV Broadcasting: Ludwig's Ethnic Radio via HDTV; Heat is on for Dutch AM/FM Pirates.

Public Service: Kansas Town Shuts Out Scanners.

Satellite: New DTH Satellite Service Offers VOD; CCTV9 Now English News Channel.

FCC Actions: NOV for QRM on Channel 16; Another SF Pirate Busted.

Consumer's Corner: Apple Stumbles with 4G Phone; Sony VAIO Computers Recalled: Could

to FCC: OTA Swearing OK. . . Sometimes.

Cell Fone Follies: Newbies Caught by Lost Phone; Stylin' Limo Thieves Caught.

OCT **Amateur Radio/Shortwave:** League Warns OK Town on "Nuisances;" Sudan Ousts BBC FM Outlets in North.

AM/FM/TV Broadcasting: Winds Topples 3 WVVVA Towers; Station Totals Released; Dude, Choppers at 6 o'clock!

Satellite: Satellite TV Viewers Unhappy; DISH Hits Skids in 2Q; DeLorme Ties GPS with SPOT.

FCC Enforcement: Univision Fined \$1 Million in Payola Scandal; EchoStar Cited by FCC on "Speculation;" QRM from BDA Leads to NOUO; The Complicated Case of Eddie Floyd.

Technology: DIY Passport RFID Reader; Pandora: 90,000 New Users/Day.

NOV **Shortwave/Amateur Radio:** TV via Shortwave, Really!; Radio/TV Marti Director Resigns; Judge: HT not a Cell Phone; FCC to Review Personal Radio Services; It Pays to Advertise; Former SW Talk Show Host Convicted.

FM Radio: Radio Free Austin Scorns FCC; "We-are-not-pleased" Department.

Satellites: XM Slow to Minority Programming; DARPA's Mini-Satellite Network; Japanese Spy Satellite over DPRK Down.

Cell Fone Follies: Deja ve Cell Phone.

FCC Enforcement: FM Pirates Busted in 6 States and P.R.; Fined in Florida; Oregon Sweep Nets 3 on 1710 kHz; Another Ship Radio Malfunctions; PA CBer Caught with Linears; CBer Warned on Gear and Language.

DEC **Amateur Radio/Shortwave:** DRM Finds Inroads; DX Hounds Get New Entities; ARISSAT-1 Set to Fly.

AM/FM/TV Broadcasters: FCC to Ask OTA-TV for Spectrum; Clock Running Out on LPTV; BTC Wants FM to be Competitive; FLO-TV Tanks; PBS Ends Analog Satellite Feed.

Public Service: California Police Radio Pirate Busted.

Satellite: Earth-based Radio Garbles Sat Data; Tax on Sat-TV in Ohio Top Court; Careening "Zomblesat" Still a Threat; Sirius/XM Defies Skeptics.

Internet Broadcasting: Sony-Google Internet TV Launch; FCC Wants "Super Wi-Fi" Technology.

FCC Enforcement: Breaker 1-9 for Cuts and Washes; More AM Shenanigans; FCC: Register your EPITB! So You Want to be a

Rock 'n' Roll Star? D.C. 17.5 kHz
Xmtr QRT.

THE FED FILES

(Chris Parris) (Odd months)

- JAN 2010 Fed Files New Year: Roadrunner and Other Strange Vehicles; Federal Railroad Administration; Pittsburgh G20 Summit Wrap Up.
- MAR Chipping Through the ICE: New England, Los Angeles, Florida, Texas; Mystery Systems Explained: Shenandoah National Park; UHF Allocations.
- MAY Super Bowl XLIV Wrap Up; CBP, ICE and the D-Net Channels; Getting It Together.
- JUL Delivering the Frequencies – The U.S. Postal Service; The New TSA Radios.
- SEP Autumn Updates: Justice Department 25 Cities Project; Federal Satellite Systems; VHF "Mystery System" Update.
- NOV 2010 Federal Wrap-Up: On the Move with the DEA; USFS Fire Channels; CBP Border patrol in Arizona; TSA Tracking Things.

FIRST LOOK REVIEWS

- MAR MFJ-8322 Hand-Held Scanner (Bob Grove)
- APR Logitech Squeezebox Internet Radio (Lloyd Van Horn)
- MAY FLEX-3000 SDR Transceiver Review (Part 1) (Larry Van Horn)
- JUN FLEX-3000 SDR Transceiver Review (Part 2) (Larry Van Horn)
- AUG Icom IC-R6 Hand Held, Wideband Scanner (Bob Grove)
- SEP AOR AR5100D Communications Receiver (Bob Grove)
- OCT The Revolution Has Begun: The Uniden HomePatrol-1 (Larry Van Horn)
- NOV WiNRADiO Excalibur G31DDC SDR Receiver (Bob Grove)
- DEC AOR AR2300 Black Box Receiver (Bob Grove)

GLOBAL NET (Lloyd Van Horn)

- JAN A New Hobby for the New Year; WRN: The world in one place; HD Radio on the iPhone; "Chumby" the WiFi hesitation blues; Droid hits the market; AppleTV adds Internet radio player.
- FEB Internet Radio's Rising Star; Mobile Providers to Limit Data?; MP3 VCR Records Streaming Audio; The Wonderful WunderRadio App; Pocket Tunes.
- MAR Internet Radio Caught in Royalty Debate; PURE-ly Amazing Radios; The Much-Hailed Apple Tablet; What CES 2010 Taught Us.
- APR What is Internet Radio?: WiFi Radios; On the Go Radio; Music Services; Uh-oh, Pandora going local?; Internet Radio on the iPad; FiOs jumps on IR bandwagon.
- MAY Radio aus Deutschland!

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BBC may break out the axe; Performance Royalty Fight gets 'blown up'; O'Meara making waves again; Internet radio makes inroads in cars; GlobalNet Mailbag.

- JUN Earthshaking Radio – Tuning in earthquakes, hurricanes and more; Administration enters 'pay-for-play' debate; iPhone's OS 4.0 can multi-task!; Bad news for 'free' Internet radio?; GlobalNet Mailbag.
- JUL Keeping an Ear on the Sky; TV Who? TVU!; Real radio being turned off in autos?; GlobalNet Mailbag.
- AUG Internet vs SW: Everyone's a Winner; Waiting for the iPhone 4; Finally, Reciva has an app for that; GlobalNet Mailbag.
- SEP In on the Action – Wherever it May Be; Sounds of the Storm; Portable Echolink?; IOS4 and Streaming; Subaru In-Car WiFi Hotspot; GlobalNet Mailbag.
- OCT Connecting the World with EchoLink; A new ISP for me; Royalty Compromise on the Horizon?
- NOV First Annual GlobalNet "Best of" Awards; RadioTime: A Growing Source; Internet Radio on iTunes?
- DEC Broadcasters Battle the Digital Devil.

LETTERS (Rachel Baughn)

- JAN Harry Helms (RIP); More on Alfred Vail; Remembering the Regency TR-1; The Buzz.
- FEB Crazy about Radio? Or just Crazy?; Grundig G-8; Keep It Simple; Retro Radio.
- MAR Shortwave Coverage in MT; The End of Pirate Coverage?; Tick Tock.
- APR Future of Shortwave Radio: MT Assistant Editor Larry Van Horn looks at the future of radio; Wullenweber Antennas; In Memoriam: Dave Ingram K4TWJ; John Bryant; Peter Cuffe G0IEP.
- MAY Farewell to Passport; Crusing for DX; March Corrections; Monitoring MURS.
- JUN New Uses for Old Frequencies; Rhombic True and False; Airwaves are Public!; Flying High; Another Source for New Old-Time Radio; Longwave Kudos; Robert Thomas (RIP).
- JUL OTA Online Resource; More Youthful Look?; Ask Bob; Window Dressing; AWA Museum.
- AUG Putting A Face on MT; SAR: Sesta Antes do Rescue?; Mourning Passport; KAAY: One for the Books; Both Sides of the Microphone; NASB Announces Shortwave Listener Survey.
- SEP Vintage Radio; Ham Radio Call-In Show; MT Express on the

iPad; Bringing Back Memories; DZKit Support; Zip Code Scanning.

- OCT Feedback and Quickies; Ready-made for 160M?; Pick-Up Antenna Solution.
- NOV Ham Call-In Show; Better than Kindle; Parabolic Experiment; Kiwa Loops; MT Rocks.
- DEC Farewell to Skip; Improved VR500 Charger; Wrong Rx.

MILCOM (Larry Van Horn)

- JAN Military Brevity Codes; Monitoring the Tyndall AFB TRS; Milcom Frequency Changes.
- FEB 2010 Air Show Season Nearly Here: Base Profiles: Davis Monthan AFB; Maxwell AFB; Eglin AFB; Barksdale AFB; Dyess AFB; Altus AFB; Shaw AFB; Columbus AFB; Grand Forks AFB; NAF El Centro; MacDill AFB; NAS Kingsville; NAS Key West; Charleston AFB; Andrews AFB; MCAS Cherry Point; Latest Milcom Frequency Changes.
- MAR Military Demonstration Teams 2010 Performance Schedule; MT Air Show Resource Guide.
- APR The Military Weather Channel (Metro Station/Frequency List); MARS Changes Name and Fine Tunes Mission; U.S. Navy/Marine Corps MARS Net Designators.
- MAY Monitoring the Civil Air Patrol (VHF); CAP and the HF Spectrum.
- JUN Are the Ute Bands Really Dead? List of Recently Monitored Government / Military HF Frequencies.
- JUL Profile: US Navy Training Wings Five and Six; Major Frequency Changes in Houston (ARTCC) Houston Center Frequency Profile.
- AUG Where to Monitor the Military; The Digital Side of HF – ALE; Monitoring Military VHF/UHF Communications; How do you find new frequencies to monitor? Table of Major Military Bands.
- SEP Monitoring Military VHF Low Band Communications.
- OCT Monitoring the Chinese Navy and Enigma M89 Communications
- NOV Monitoring the U.S. Navy SESEFs
- DEC Monitoring Aerial Refueling: Rules for Tanking; Aerial Refueling Terminology; Random Aerial Refueling Frequencies: CONUS, Atlantic, Canada; Monitoring NAS Fallon, Nevada.

MT EQUIPMENT REVIEWS

- JAN Grundig G8 Traveler II Digital AM/FM/SW Pocket Receiver (Gary Sargent)
- FEB The MicroR2Receiver (Skip Arey) VRX-1 Receiver (Skip Arey)

MAR Grundig Globe Traveler G3 Portable (Jay Allen)
 MFJ-8322 Hand-Held Scanner (Bob Grove)

APR Logitech Squeezebox Internet Radio (Lloyd Van Horn)

MAY FLEX-3000 SDR Transceiver Review (Part 1) (Larry Van Horn); Jetstream JTPS30M DC Power Supply (Bob Grove)

JUN FLEX-3000 SDR Transceiver Review (Part 2) (Larry Van Horn)

JUL Comparison of Eton Emergency Radios (Gary Sargent); RFSpace SDR-IQ (Brian Wood); MFJ-8310 Desktop / Mobile Scanner (Bob Grove)

AUG Icom IC-R6 Hand Held, Wideband Scanner (Bob Grove); MFJ-844 SWR / Wattmeter Review (Bob Grove)

SEP MFJ-9410 Ten-Meter Transceiver (Bob Grove); AOR AR5100D Communications Receiver (Bob Grove); Kaito KA801 Review' Sangean CL-100 AM / FM / Weather Radio (Bob Grove)

OCT The Revolution Has Begun: The Uniden HomePatrol-1 (Larry Van Horn)

NOV WinRADIO Excalibur G31DDC SDR Receiver (Bob Grove)

DEC AOR AR2300 Black Box Receiver (Bob Grove); The British are Coming! Pure Evoke Flow-A GlobalNet Review (Lloyd Van Horn); CCRadio-EP AM/FM Portable (Bob Grove); C.Crane FT-007 Stereo FM Transmitter (Bob Grove)

ON THE BENCH

JAN "Sky-Wires and Inhalers" (Part 4) Anatomy of an Antenna. (Walter Lindenbach)

FEB "Sky-Wires and Inhalers" (Part 5) Transformers? Why? (Walter Lindenbach)

MAR "Sky-Wires and Inhalers" (Part 6) Transformers (Walter Lindenbach)

APR "Sky-Wires and Inhalers" (Part 7) What's a Decibel? (Walter Lindenbach)

MAY "Sky-Wires and Inhalers" (Part 8) One Low-Pass Filter Coming Up (Walter Lindenbach)

JUN "Sky-Wires and Inhalers" (Part 9) "Proof of the Pudding" for the Low-Pass Filter. (Walter Lindenbach)

JUL "Sky-Wires and Inhalers" (Part 10) SW and MW Stations Don't Mix – or Do They? (Walter Lindenbach)

AUG TRF-4 "Retro-Tech" Construction (Hal Bilodeau)

SEP Increase the Charging Current for the Yaesu VR-500 (Mort Arditti)

DEC Budget DX Crystal Radio, Part 1 (Dave Schmarder)

ON THE HAM BANDS (Skip Arey)

JAN A Ham's Calendar: We Stand on the Shoulders of Giants; Dates by

FEB Hams for Hams; 2010 ARRL Handbook for Radio Communications-Review. You Want It ... You Got It!; The MicroR2Receiver – Review; VRX-1 Receiver – Review.

MAR Hams Lead the Way: Podcasting, Social Networking, YouTube, Blogging; Good Ham Reading: Nifty E-Z Guide to D-Star Operation – Review; Twitter; So, where is this all going?

APR To QSL or not to QSL ... That is the Question!

MAY Good Tech Never Goes Bad; The 2009 ARRL Periodicals on CD-ROM – Review

JUN June is a Great Ham Radio Month; Become a Professional Amateur (FCC Commercial Radio License Preparation Study Manual Review); A Shameless Plug.

JUL New Tricks for an Old Dog; Echolink; Designing Hams (The ARRL Antenna Designer's Notebook Review).

AUG A Ham Radio Camping Upgrade

SEP Back to School: Time to Upgrade, Learn the Code, Learn a New Mode, Hands on Learning, Learn a New Skill; Read Any Good Books Lately?; Book of the Month: The International QRP Collection.

OCT October is Full of Fun; Work While the Weather is on Your Side; Mobile Readiness, Too; Get Ready for Competition; Special Events; Plan for Winter Solder Melting; QRP Legacy.

NOV More Power to You: Amateur Radio Power Supply Alternatives

DEC Should Auld Acquaintance Be Forgotten: Back to First Principles (Yet Again); Speaking of Old Timers; Read a Good Old Book; Fine Old Radios; Heathkit Forever; Old Antennas; Fare Thee Well and Vaya con Dios!

PROGRAMMING SPOTLIGHT

(Fred Waterer)

JAN Shortwave from Canada's Olympic City; Deutsche Welle Sports Report; United States – Sonny Side of Sports; Other Olympic Winners; SW from Canada's West Coast; Innovative Programming from Deutsche Welle; Learning by Ears – The Skills to Succeed in Today's Africa.

FEB The Golden Age of Radio: WWCR – The Golden Age of Radio Theater; WBCQ – Amos and Andy.

MAR Programming from the Emerald Isle; The Winter SWL Fest.

APR Touring Radio Taiwan International; RTI's brand new 30-minute webcast.

MAY Hooray for Hollywood; Social Media; Pick of the Month; What's New.

JUN International Coverage of Polish Tragedy; The National Association of Shortwave Broadcasters (NASB); Recommended Listening; What's New.

JUL Meandering through the 49 Meter Band; Alastair Cooke's Legacy; European Business Week – Deutsche Welle; And in other news ... BBC's Family History page (Radio and Genealogy).

AUG The Brave New World of SW Listening (Programs on Demand); What's New?; Radio Sweden Leaving Shortwave; NASB 2010 Hamilton, Ontario; We Get Letters.

SEP The Magic of Radio; Local Radio Goes Worldwide; Children's Programming?; Fred's Pick – Deutsche Welle-Hits in Germany; What's New: KBS World Radio-Happy Cooking and Healthy Living; Coming in September-Mark Lamar's Shake Rattle and Roll; Mr. Troloto.

OCT So Long to Sweden on Shortwave; Hallowe'en; Thanksgiving, Canadian Style; Recommended Fall Programs; We get letters ...

NOV Spotlight on Music; The Sounds of French Canada; What's New; Programming Advance Notice.

DEC Festive Programming Around the World; New Years Programming; The Modern Radio France International; What's New.

QSL REPORT (Gayle Van Horn)

JAN QSLing in the Year of the Tiger

FEB Who's on first and who's on the pole? QSL "Bytes."

MAR Castles and Winter Olympics.

APR Radio Prague ... still going strong; RFE/RL adds Radio Mashaal to schedule; CQ Con Co Island; You asked for Unusual Entertainment.

MAY Calling All Hams and Shortwave Listeners.

JUN Radio Free Asia Releases Fourth Radio Pioneer QSL Card.

JUL Firecracker Special

AUG Nothing But QSLs

SEP September Brings DX

OCT QSLing the Unpredictable and Unlicensed.

NOV Fourteen Years and Counting

DEC QSLing the Close of 2010

RADIO RESTORATIONS (Marc Ellis)

JAN We Begin Recapping the BC-344

FEB Capacitors and Their Replacements: Mechanical/Fixed Capacitors; Checking Capacitors; Replacing Capacitors.

MAR The BC-344 Restoration Continues.

APR The BC-344 Fails and Unexpected Smoke Test; Some Reader Tips; A Speaker of the BC-344; The Unexpected: A Failed Smoke Test;

Troubleshooting; The 6R7 Open Cathode.

MAY The BC-344 Restoration Continues; More from John Stoll; Replacing Capacitors; Last Month's BC-344 Progress; Pressing On!; Needed – A Contraption.

JUN The BC-344 Speaks Again, However . . .; Left Over from Last Month; Good News and Bad News; Operator Trouble?; Troubleshooting Military Equipment; The MVC Audio Problem.

JUL Starting Out in Amateur Radio – 1920s Style.

AUG The BC-344 Operating Nicely: Stopped by an Old Phenomenon; Not a Problem After All; Getting Back to the IFS; The CW Oscillator Adjustment; The RF Oscillator Adjustments; Radio Frequency Alignment.

SEP Change of Pace: A Household Radio: Philco 38-62; From Our Readers.

OCT Starting up a Vintage Radio

NOV Another New Project: The Majestic Zephyr; Philco project discontinued.

DEC A First Look Inside the Majestic: Majestic History; A First look Inside; Safety Problem; Checking Tubes; Chat Room Lore: Treating Asbestos Sheets; Wholesale Cap Replacement; The "Discontinued" Philco 38-62 Project.

SCANNING REPORT (Dan Veeneman)

JAN Longing for the Simple Life; Radio Shack Pro-96; Monitoring 800 MHz; Albuquerque, New Mexico.

FEB Type 1 Trunking in Ontario; Fleet Maps; Orange County, California.

MAR Mastering the LTR Frequency Search; Rebanding.

APR What's the Frequency, Dan? Border Patrol (CA); O'Fallon, Missouri; Nassau County, New York; Milwaukee, Wisconsin.

MAY Buying Your First Scanner; Lake Tapps, Washington; Conventional Scanning; Trunked Scanning; Selecting a Scanner; Shelbyville, Indiana; Project Hoosier SAFE-T; Shelby County, Indiana; Dayton Hamvention.

JUN Oldies but Goodies; Merced County, California; Stanislaus County, California; Cellular Prohibition; Scanner Legalities.

JUL Looking for the Easy Button; Vernon Parish, Louisiana; NXDN; Christian County, Kentucky; Logan County, Kentucky; Belfast Area, Maine; Fast Food Monitoring; New Scanners from GRE (PSR-700/310/410).

AUG Keeping an Ear on the Weather: Scanning Weather; Specific Area Message Encoding; Emergency Managers Weather Information

Network; Local EMWIN Broadcasts; EMWIN via the Internet; Skywarn; Cary IL; MABAS.

SEP Understand the System; Understand your Scanner; Hawaii – PACMERS; North Carolina – Smartzone and Omnilink; Pro-96 Software Tools.

OCT Scanning: A Moving Experience: Rebanded; Uniden BCD396T; Low Band; 10 Meters; Phoenix Update.

NOV OpenSky and Medical Dispatching; OpenSky; OpenSky Problems; OpenSky Overhaul; Albuquerque, New Mexico; Emergency Medical Dispatch Codes.

DEC Making Do with Tried and True; Tulsa, Oklahoma; Flagstaff, Arizona; Conventional Scanning of a Trunked System; North Arizona University.

SHORTWAVE GUIDE (Gayle Van Horn)

JAN English (24 hours); Spanish 2300; French 0000-2300 UTC

FEB English (24 hours); Portuguese 0000-1100 UTC

MAR English (24 hours); Portuguese 1200-2100 UTC

APR English (24 hours); Portuguese 2100-2300 UTC; Arabic 0000-1800 UTC

MAY English (24 hours); Arabic 1800-2300 UTC; Spanish 0000-0600 UTC

JUN English (24 hours); Spanish 0700-1500 UTC

JUL English (24 hours); Spanish 1500-2200 UTC

AUG English (24 hours); Spanish 2200-2300 UTC; French 0000-1900 UTC

SEP English (24 hours); French 1900-2300 UTC; Mixed - English Plus Other Languages (24 hours)

OCT English (24 hours); Portuguese 0000-1100 UTC

NOV English (24 hours); Portuguese 1200-2100 UTC

DEC English (24 hours); Portuguese 2100-2300 UTC;

SKYSURFING

FEB HAM SATS: Working Your First Amateur Radio Satellite (Part 2). (Keith Baker)

MAR RADIO ASTRONOMY: Pulsars (Jeffrey Lichtman)

MAY HAM SATS: Working Your First Amateur Radio Satellite (Part 3) (Keith Baker)

JUN RADIO ASTRONOMY: Antennas for Radio Astronomy (Jeffrey Lichtman)

AUG HAM SATS: Working Your First Amateur Radio Satellite (Part IV) (Keith Baker)

NOV HAM SATS: How to Use Linear Amateur Satellite Transponders; Satellite Status Update.

UTILITY WORLD (Hugh Stegman)

JAN 600 Meters: Signs of Life; Japanese Fishery Radio.

FEB Japan Radio: Fishing for Facts; Improved Band Conditions?

MAR MARS Gets New Name and Mission; Utilities Inside Amateur Bands; Yet More Life on 600 Meters.

APR Israeli "Numbers" – A New 20-Meter Mystery (The E10 Enigma); Bye-Bye Loran-C.

MAY What's the World's Strangest "Numbers" Station? SK01; Star Star Radio Station; But the Winner is . . .

JUN The Strange Wierdness on 13420 and Other Stories; First Vietnamese Numbers; French Version of the "Russian Man;" Final HF FAX Corrections.

JUL Making Sense of ALE Addresses; SDO Sees First Light.

AUG Monitoring World Trouble Spots: E10 and Gaza Tensions; Korean Peninsula.

SEP Spy Bust Reveals Radio Intrigue; Translating Vietnamese Numbers; New Chinese Numbers Frequency; Quick COTHEN Survey.

OCT New Arctic NAVAREAs Promise Utility Catches; Korean Numbers Update; Russian Spy Update; COTEH Frequency Use Update.

NOV UVB-76: Is the "Dead Hand" Station Dead?; Unraveling the "German Coast Guard."

DEC Wired Radio: Using Remote Internet Receivers; UVB-76 Mystery Continues; German Water Police.

WHAT'S NEW (Larry Van Horn)

Books, CDs

JAN The 2010 ARRL Handbook for Radio Communications.

FEB QRP Romps; Free Ham Radio Publication; Ham Radio Award Program Publication; World Radio TV Handbook 2010 Review (Gayle Van Horn)

MAR NCVEC Releases New Technician Class Question Pool.

APR 2010 Beacon handbooks now available.

JUN Review of Domestic Broadcast Survey 12th Edition Review (Gayle Van Horn); South Carolina Upstate Scanner Guide.

JUL The ARRL Repeater Directory – 2010/2011 Edition.

SEP Antenna Designer's Notebook; 2010 Pirate Radio Annual; Remote Operating for Amateur Radio; Storm Spotting and Amateur Radio; The ARRL Field Day Handbook for Radio Amateurs; The ARRL RFI Book, 3rd Edition.

OCT FM Atlas, 21st Edition; NRC AM Radio Log.

NOV Axis Sally – The American Voice
of Nazi Germany; 2010-2014
Technician Class Study Guide

Equipment

FEB Radio Shack Pro-107 iScan
Scanner; C. Crane CCRadio-2.
MAR Iridium Unveils Smaller, Lower-
cost Satellite Data Transceiver.
APR Icom Releases a New Portable
Receiver: IC-R6; AOR Introduces
AR2300 “Black Box”
MAY Jetstream JTPS30M DC Power
Supply (Bob Grove)
JUN A New Icom All-Around Rig (IC-
9100 Transceiver)
JUL MFJ-8310 Desktop / Mobile
Scanner (Bob Grove); What’s
New at Dayton: FLEX-1500,
FLEX-VU5K, FLEX PowerSDR
Software; Kenwood TS-590
Transceiver; Yaseu FTdx-5000
HF/6 meters transceivers, Yaseu
VL-2000 amplifier; Alinco DX-
SR8TE mobile transceiver, Two
new Hendricks QRP Kits.
AUG A Revolution is Coming Soon!
Uniden HomePatrol-1™; MFJ-
844 SWR/Wattmeter Review
(Bob Grove); The ARRL Ham
Radio License Manual, 2nd
Edition; Understanding Basic
Electronics, 2nd Edition; ARRL’s
PIC Programming for Beginners.
OCT New Milcom Log Periodic Now
Available; SSB LAN-SDR.
NOV Desk Top “Noise Away”; MFJ-
1775 Rotatable Dipole; ADS-SRI
Simplex Repeater.
DEC CCRadio-EP AM/FM Portable
(Bob Grove); C.Crane FT-007
Stereo FM Transmitter (Bob
Grove)

Miscellaneous

OCT New Narrowband Mode
Released -- CMSK

Software

JAN Scancat Lite-Plus.
MAR Need Frequency Allocations
Information? There’s an App for
that!; New Version of Popular
Logging Program: DXtreme
Software™; Swift’s Weather
Defender 1.1 Alerts Give
Weather Enthusiasts an “Edge.”
APR Interactive Police Scanner
iPhone/iTouch App.
SEP SpectraCyber Elite Software